

PROCHAZKA, Miroslav, ¹železniční inženýr; KRONBERGER, Ladislav

Methods and conditions of solving the effectiveness of investments abroad and in Czechoslovakia. Doprava no. 2:85-89 '64.

PROKHAZKA, Ya. [Procházka, J.], dotsent, doktor meditsiny; MYDLIL, F., doktor meditsiny; KREYZEK, M., doktor meditsiny; BRZEK, V., doktor meditsiny; KRATKIY, P., doktor meditsiny; MEZENSKIY, L.

Resection of the lungs in tuberculosis. Vest.khir. 83 no.10:23-29
O '59. (MIRA 13:2)

1. Iz khirurgicheskoy kliniki (Gradets Kralove) i tuberkuleznoy lechebnitsy (Zhamberg). Adres avtorov: dotsent Dr. J. Prochazka - chirurgicka klinika Hradec Kralove; MUDr. F. Mydlil - reditel tbc lecebny, Zamberk.

(PNEUMONECTOMY statistics)

BELOBARDEK, Zdenek, [Belobradek, Z.], doktor med.nauk; PETRLE, Miroslav,
doktor med.nauk; PROKHAZKA, Yaroslav [Prochazka, J.], prof.
doktor meditsiny

Measurement of pressure in the left auricle by transbronchial
puncture. Khirurgiia 37 no.1:29-33 Ja '61. (MIRA 14:2)

1. Iz 2-y kliniki vnutrennikh bolezney (rukovoditel' - dotsent
d-r meditsiny Vilo Yurkovich), 1-y kliniki vnutrennikh bolezney
(rukovoditel' - prof. d-r meditsiny Yan Rzhigorzh) i 2-y khirur-
gicheskoy kliniki (rukovoditel' - prof. d-r meditsiny Yaroslav
Prokhazka) Gradets Kralove (Chekhoslovakiya).
(HEART) (BLOOD PRESSURE)

SHTAYNGART, Leo [Stajnhart, Leo], doktor meditsiny; DITE, Bogumil [Dite, Bohumil], doktor meditsiny; PETRLE, Miroslav, doktor meditsiny; FROKHAZKA, Yaroslav [Prochaska, Jaroslav], prof., doktor meditsiny; BELOBRADEK, Zdenek, doktor meditsiny; TOMANEK, Yuriy [Tomanek, Jiri], doktor meditsiny

Significance of angiocardiology in the diagnosis of congenital heart defects with left-to-right shunt. Khirurgia no.10:56-63

'64.

(MIRA 18:8)

1. Kardiologicheskiy tsentr klinicheskoy bol'nitsy v Gradtse Kralove i rentgenologicheskoye otdeleniye garnizonnoy bol'nitsy, Yaromerzh.

ROKOS, Y. [Rokos, J.]; BURGER, M.; PROKHAZKA, P.

Effect of chlortetracycline on the activity of α -amylases.
Antibiotiki 4 no.4:3-11 J1-Ag '59. (MIRA 12:11)

1. Mikrobiologicheskoye otdeleniye biologicheskogo instituta
(direktor - akademik Ivan Malek) Chekhoslovatskoy akademii nauk,
Chekhoslovakiya, Roztoki u Pragi).
(AMYLASES metab)
(CHLORTETRACYCLINE pharmacol)

MYDLIL, F.; PROKHAZKA, Ya. [Prochazka, J.]; KREYZEK, M. [Kreizek, M.];
PAVLOVA, B. (Chekhoslovatskaya Sotsialisticheskaya Respublika)

Results of treating tuberculous patients for the past 20 years
(1940-1959). Probl.tub. no.1:60-62 '62. (MIRA 15:8)

1. Iz tuberkuleznoy lechebnitsy v Zhamberge (dir. F. Mydlil) i
khirurgicheskoy kliniki v Gradets Kralove (rukovoditel' - prof.
Ya. Prokhazka).

(TUBERCULOSIS)

PROKHAZKA, Yaroslav (Chekhoslovakiya, Gradets Kralove, d. 846)

Closed method for correcting a defect of the atrial septum.
Vest.khir. 81 no.11:16-28 N '58. (MIRA 12:3)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (nach. - doktor
meditsiny, dots. Yaroslav Prokhazka) Voenno-meditsinskoy
akademii imeni Ya.E. Furkin'ye (Gradets Kralove).
(HEART---SURGERY)

SOV/109-4-7-11/25

AUTHORS: Barchukov, A.I. and Prokhindeyev, A.V.

TITLE: Details of a Radio Spectroscope for the Wavelengths
from 2.5 to 5 mm

PERIODICAL: Radiotekhnika i elektronika, 1959, Vol 4, Nr 7,
pp 1173 - 1179 (USSR)

ABSTRACT: The authors developed a number of devices suitable for the spectroscopy at mm lengths. The main item in the range of devices is the frequency multiplier. This employs crystal-diode frequency multiplication. The diode does not comprise the usual holder, but forms an integral part of a wave-guide system. The device of this type is shown in Figure 2. The mechanism which permits the adjustment of the crystal-whisker contact is in the form of a differential system permitting a displacement of 0.1 mm for one turn of the screw. However, even this mechanism is not sufficiently fine for wavelengths below 4 mm; in fact, it is necessary to be able to make adjustments of the order of microns. Figure 2 shows the details of the multiplier: 1) the adjustment mechanism for the crystal point; 2) the screw of the adjustment plunger;

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Details of a Radio Spectroscope for the Wavelengths from 2.5 to
5 mm

3) crystal diode and 4) the contact spring. The details of the point of the contact spring are shown in Figures 3. The receiving head of the spectroscope is similar to that of the frequency multiplier. However, the operation of the receiving head is greatly dependent on the sharpness of the whisker point and its contact with the crystal. The next item of the spectroscope is a de-coupling device. This is in the form of a gyrator made from a thin rod of ferrite placed in the centre of a rectangular waveguide. The overall picture of the gyrator is shown in Figure 5. The absorption cell for the spectroscopic measurements was about 50 cm long and its electrode was supported by a holder made of teflon, having a thickness of 1 mm. The frequency at the mm waves could be measured by means of a heterodyne arrangement furnished with an additional frequency standard. Block schematic of the measurement circuit is shown in Figure 6. Another item necessary in the measurement is a frequency stabiliser. This employs

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Details of a Radio Spectroscope for the Wavelengths from 2.5 to
5 mm

the circuit described by T.M. Murina (Ref 5) and its block schematic is shown in Figure 7. The spectroscope constructed by employing the above pieces of equipment could be used at frequencies up to 80 000 Mc/s. It was possible to use it to determine the rotational spectra of the molecules at frequencies up to 120 kMc/s, provided the absorption coefficient was 10^{-3} /cm. The authors express their gratitude to A.M. Prokhorov for his valuable advice. There are 7 figures and 5 references, of which 4 are English and 1 Soviet.

SUBMITTED: January 9, 1958

Card 3/3

MANDEL'SHTAM, S.L.; PASHININ, P.P.; PROKHINDEYEV, A.V.; PROKHOROV, A.M.;
SUKHODREV, N.K.

Study of the "spark" in the air engendered in focusing the radiation
from a laser. Zhur. eksp. i teor. fiz. 47 no.5:2003-2005 N '64.
(MIRA 18:2)

1. Fizicheskii institut imeni Lebedeva AN SSSR.

GVALADZE, T.V.; KRASYUK, I.K.; PASHININ, P.P.; PROKHINDEYEV, A.V.; PROKHOROV, A.M.

Characteristics of an optical maser on ruby in high-Q operation.
Zhur. eksp. i teor. fiz. 48 no.1:106-110 Ja '65. (MIRA 18:4,)

1. Fizicheskiy institut imeni Lebedeva AN SSSR.

L 18604-65 EWG(j)/EWA(k)/FRD/EWT(1)/EEC(k)-2/EEC(t)/T/EEC(b)-2/EWP(k)/EWA(m)-2/
EWA(h) Pn-4/Po-4/Pf-4/Peb/Pi-4/Pl-4/ BSD/AFWL/ASL(a)-5/RA(a)/ATC(c)/ASMP-2
AFETR/SSD/ESD(gs)/ESD(t) WG
ACCESSION NR: AP5000364 S/0056/64/047/005/2003/2005

AUTHOR: Mandel'shtam, S. L.; Pashinin, P. P.; Prokhindeyev, A. V.;
Prokhorov, A. M.; Sukhodrev, N. K.

TITLE: Investigation of the "spark" created in the air by a focused laser beam

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47, no. 5, 1964, 2003-2005

TOPIC TAGS: laser ruby laser, air breakdown, dielectric breakdown, laser beam spark

ABSTRACT: Experimental investigation of air breakdown in the focus of a Q-switched ruby-laser beam yielded the following preliminary results. The laser, with a 30-megawatt peak power, had an output pulse half-width of 50 usec, a beam diameter of 12 mm, and an output beam energy of 1.5 j. The elongated spark produced in the air had an axial length of 10—15 mm; the threshold power sufficient to cause such a spark was found to be 5—10 megawatts. The entire air breakdown process was photographed with a high-speed SFR-2 camera at 625,000 frames per second. The resolution thus obtained was, however, inadequate to ana-
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ACCESSION NR: AP5000364

lyze the most interesting initial period of the discharge. It was found that 40% of the laser-output energy passes through the focal point; the rest is absorbed in a small volume near the focus of the lens. The energy of the laser is liberated in an initial volume estimated at 10^{-4} cm^3 . The laser beam creates a radial shock wave which follows the pattern of channel formation in the usual spark discharges. A spectroscopic analysis showed the presence of singly charged NII and OII, as well as atomic nitrogen and an H_α line. In contrast to the spark, that involving the laser is characterized by a strong, continuous background, and by very broad lines, most of which are unresolved multiplets. These characteristics indicate a high electron concentration in the laser spark, reaching $2 \cdot 10^{18} \text{ cm}^{-3}$. The spark temperature, computed with a fairly low accuracy was 30,000--60,000K. Orig. art. has: 3 figures.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute, Academy of Sciences, SSSR)

SUBMITTED: 03Aug64

ENCL: 00

SUB CODE: EC

NO REF SOV: 004
Card 2/2

OTHER: 003

ATD PRESS:

3154

TITLE: Characteristics of a ruby laser with pulsed Q-modulation

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 1, 1965, 106-110

TOPIC TAGS: ruby laser, laser, Q modulation, Q spoiler, laser experiment, laser beam spectroscopy, laser induced air breakdown

ABSTRACT: An experimental study has been made of a ruby laser with an output power of up to 50 Mw for a pulse length of 40—50 nanoseconds. The ruby rod was 115 mm long, 12 mm in diameter, water cooled, and coated at the ends. The Q-modulator was a total-internal-reflection prism rotating at 425 rps. The semitransparent mirror was of the chemically deposited dielectric type, with reflection coefficient varying from 70 to 16% (substrate without coating). High-power pumping produced two separate output pulses. Gain was plotted as a function of pumping energy, using an elliptical reflector and an LFP-5000 lamp. The value of gain was determined with respect to the threshold power and various reflection coefficients

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ACCESSION NR: AP5004381

of the mirrors without the Q-spoiler. It was possible to obtain a gain over 0.25 cm^{-1} in the central regions of the crystal with coated ends. Using the Q-spoiler, maximum energy per pulse was obtained with a K-8 glass substrate without dielectric coating for the mirror. The experiment thus confirmed the theoretical conclusion that high-transmittivity mirrors are preferable if gain is large enough and internal losses small. The spectrum of the laser output beam consisted of from 1 to 7 narrow lines, some of which broadened to a maximum of 0.15 cm^{-1} with increased pump power. The total width of the spectrum was 1.5 cm^{-1} at low power, and narrowed down to a mean of 0.6 cm^{-1} at higher power. A mirror substrate less than 3 mm thick produced a single line 0.1 cm^{-1} wide with very good directivity. This is considered one of the most convenient methods of producing narrow-line giant pulses at room temperature. Focusing of the beam in air produced

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics
Institute, Academy of Sciences, SSSR)

SUBMITTED: 18Jul64

ENCL: 00

SUB CODE: EC

NO REF SOV: 004

OTHER: 006

ATD PRESS: 3184

Card 2/2

1ST AND 2ND QUOTES		PROCESSING AND PROPERTIES INDEX		1ST AND 2ND QUOTES	
Continuous carbonation of aluminate solutions. I. N. Prokhnitskii. <i>Tsvetnye Met.</i> 13, No. 10, 85(1939). <i>Chem. & Industry</i> 42, 282; cf. C. A. 33, 3975¹. — Continuous carbonation of aluminate solns. can be effected by establishing between the carbonators an uninterrupted stream of $Al(OH)_3$ pulp in soda soln. by the principle of the mammoth pump, which can raise the pulp from a lower into a higher container. The operation of such a pump is based on the fact that a column of the pulp contg. air bubbles is lighter than a column of the pulp alone. A. Papineau-Couture					
ASB.S.A. METALLURGICAL LITERATURE CLASSIFICATION					
1ST AND 2ND QUOTES		1ST AND 2ND QUOTES		1ST AND 2ND QUOTES	
1ST AND 2ND QUOTES		1ST AND 2ND QUOTES		1ST AND 2ND QUOTES	

LIST AND INDEX																									
PROCESSES AND PROPERTIES INDEX													METALLURGICAL LITERATURE CLASSIFICATION												
Mineralogical composition of calcium aluminate slags, and extraction of the alumina they contain. L. N. Prokhorovskii. <i>Legkie Metal.</i> 6, No. 7 8, 17-19(1937); <i>Chimie Industrielle</i> 41, 83. Slags with high Al_2O_3 and low SiO_2 (1-0%) contents give high yields of extd. Al_2O_3; but pulverulent slags high in CaO and contg. more than 0% SiO_2 give very low Al_2O_3 yields. Pulverulent slags are characterized by the presence of a considerable amt. of $2CaO \cdot SiO_2$. Of the aluminates, they contain chiefly $5CaO \cdot 3Al_2O_3$ and $3CaO \cdot Al_2O_3$. The absence of monoaluminate (the richest in Al_2O_3) reduces considerably the Al_2O_3 yield from the slag. A. Papineau-Couture																									

PROKHODIN, A.M.; AKHREM, A.A.; KAMARNITSKIY, A.V.

Stereochemical course of nucleophilic addition to the carbonyl group of cyclohexanes as dependent on the presence and orientation of polar substituents. Izv. AN SSSR. Ser. Khim. no.9:1713-1714 '65. (MIRA 18:9)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

GITIS, S.S.; MALINOVSKIY, M.S.; PROKHODA, A.M.; SRIBHAYA, V.P.

Reactions of aromatic nitro compounds. Part 8: Interesterification
of alkyl esters of nitro (methylsulfonyl)phenols. Zhur. ob. khim.
30 no.9:3072-3074 S '60. (MIRA 13:9)

1. Dnepropetrovskiy gosudarstvennyy universitet.
(Phenols) (Nitro compounds)

PROKHODA, A.M.; KAMERNITSKIY, A.V.; AKHREM, A.A.

Stereochemistry of the reactions of nucleophilic addition to a carbonyl group. Report No.6: Reactions of 3-tert-butylcyclohexanone. Izv. AN SSSR. Ser. khim. no.6:1060-1068 Je '64.
(MIRA 17:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

ZINCHEVSKIY, N.F.; PROKHODA, A.Z., gornyy inzh.; FEDORENKO, V.S., gornyy inzh.

Improvement of quality indices in extracting iron ores at the
Krivoy Rog Basin mines. Ger. zhur. no.9:16-18 S '65.
(MIRA 18:9)

1. Glavnyy inzh. tresta Leninruda (for Zinchevskiy). 2. Nauchno-
issledovatel'skiy gornorudnyy institut, Krivoy Rog (for Prokhoda,
Fedorenko).

VOL'FSON, P.M.; KUYEVDA, K.I.; PROKHODA, A.Z.

Increasing work safety during sub-level caving. Bezop.truda v prom.
2 no.4:13-14 Ap '58. (MIRA 11:4)

1. Krivorozhskiy nauchno-issledovatel'skiy institut gornorudnoy
promyshlennosti.
(Mining engineering--Safety measures)

NIKISHINA, M.F.; NAZAROV, V.V.; PROKHODA, F.A.

Preparing bituminous emulsions in the Khotuntsev-Pushkin's
dispenser. Avt. dor. 26 no.6:10-11 Je '63. (MIRA 16:8)

(Bitumen)

Not bound
AKHIEZER, A.I.; PROKHODA, I.G.; SITENKO, A.G.

On the scattering of electromagnetic waves in a plasma. Zhur. eksp.
i teor. fiz. 33 no.3:750-757 S '57. (MLRA 10:11)

1. Khar'kovskiy gosudarstvennyy universitet.
(Electric waves--Scattering) (Magnetic fields)

PROKHODA, I. G.

AUTHORS: Akhiezer, A.I., Prokhoda, I.G., Sitenko, A.G. 56-3-29/59

TITLE: On the Scattering of Electromagnetic Waves in a Plasma
(O rasseyanii elektromagnitnykh voln v plazme)

PERIODICAL: Zhurnal Eksperim. i Teoret. Fiziki, 1957, Vol. 33, Nr 3,
pp: 753-757 (USSR)

ABSTRACT: For the propagation of electromagnetic waves in the plasma a combined scattering of the waves by the density oscillations of the plasma is possible. The combined scattering is due to the fact that in the plasma a weakly damped electromagnetic oscillation may occur which is coupled with the variation of density of the plasma. The frequency of these oscillations is given by

$$\Omega = \sqrt{4\pi n_0 e^2 / m}.$$

These oscillations lead to a periodical variation of the dielectric constant of the plasma. The intensity of the combined scattering of the electromagnetic field waves in the plasma is theoretically derived with and without the exterior homogeneous magnetic field. There are 4 Slavic references.

ASSOCIATION: ~~Khar'kov State University~~ (Khar'kovskiy gosudarstvennyy universitet)

AVAILABLE: Library of Congress

SUBMITTED: March 18, 1957

Card 1/1

PROKHODA, I.G., Cand Phys Math Sci -- (diss) "Dispersion
of electromagnetic waves in plasma," Khar'kov, 1959, 5 pp (Min
of Higher Education UkSSR. Khar'kov Order of Labor Red Banner
State Univ im A.M. Gor'kiy) 150 copies (KL, 28-59, 123)

- 11 -

PROKHODA, L., inzh.

Design and operation of hydraulic rams. Sel'.strof. 14 no.9: Supplement:
1-2 S '59. . (MIRA 12:11)

(Hydraulic rams)

PROKHODA, L., inzh.

Using hydraulic rams in rural water supply systems. Sel'.stroi.

13 no.11:25-27 H '58.

(MIRA 11:12)

(Water supply, Rural) (Pumping machinery)

KHIVRENKO, A.F., gornyy inzh.; OSTROUKHOV, A.I., gornyy inzh.; MALAYEV,
I.N., gornyy inzh.; PROKHODA, S.G., gornyy inzh.

"Working deep-seated ore deposits in the Krivoy Rog Basin" by
G.M.Malakhov, A.P.Chernous, V.M.Kiselev. Reviewed by A.F.
Khivrenko and others. Gor.zhur. no.4:75-76 Ap '62. (MIRA 15:4)
(Krivoy Rog Basin--Mining engineering) (Malakhov, G.M.)
(Chernous, A.P.) (Kiselev, V.M.)

CHUDINOV, B.S., kandidat tekhnicheskikh nauk; PROKHOD'KO, Ye.P.
kandidat tekhnicheskikh nauk.

Calculating the time and speed of heating a layer of glue in
plywood manufacture by the hot method. Der.prom. 4 no.4:20-
21 Ap '55. (MLRA 8:6)

1. Sibirskiy lesotekhnicheskiy institut.
(Plywood)

PROKHODNYA, I.K.; KOSTENKO, B.A.

Investigating the kinetics of electrode melting during welding.
Avtom. svar. 18 no.4:11-14 Ap '65. (MIRA 18:6)

1. Institut elektrosvariki imeni Patona AN UkrSSR.

ALEKSEYEV, V.; YELUFIMOV, N.; PROKHODOVSKAYA, A.; UZHANSKIY, V.

Partial automatization of dry ice manufacturing plants.
Khol. tekhn. 36 no.2:53-55 Mr-Apr '59. (MIRA 12:9)
(Ice--Manufacture) (Automatic control)

PROKHODSKAYA, A.A., fel'dsher stantsii skoroy pomoshchi (Leningrad)

Role of semiprofessional medical personnel in first aid. Fel'd.
i akush. 24 no.7:38-40 J1 '59. (MIRA 12:10)
(FIRST AID IN ILLNESS AND INJURY)

PROKHODSKAYA, A.A., fel'dsher (Leningrad)

Keeping dressing material sterile. Fel'd i akush. 24 no.4:39
Ap '59. (MIRA 12:5)

(BANDAGES AND BANDAGING)

PROKHODSKIY, S.I.; GOL'DFEL'D, I.A.; CHERVANEV, I.G.

Reflection of local structures in orohydrography. Geog.sbor.
L'vov.otd.Geog.ob-va SSSR no.8:101-105 '64.

(MIRA 18:5)

PROKHODSKIY, S.I.

Geomorphologic characteristics of the Taburishche Cape. Biul.
MOIP. Otd.geol. 37 no.3:61-69 My-Je '62. (MIRA 15:10)
(Kremenchug region—Geomorphology)

VILENKIN, V.L.; DUBINSKIY, G.P.; PROKHODSKIY, S.I.

Conference on the study of natural resources in the left-bank
area of the Ukraine. Izv. AN SSSR. Ser. geog. no. 3:159-162
My-Je '60. (MIRA 13:6)
(Ukraine--Geography, Economic)

PROKHODSKIY, S. I.

Dissertation: "Geomorphology of the Khorol River Valley." Cand Geog Sci, Khar'kov State U, Khar'kov, 1953. Referativnyy Zhurnal--Geologiya, Geografiya, Moscow, Jul 54.

SO: SUM No. 356, 25 Jan 1955

ACC NR: AP7005753 (A) SOURCE CODE: UR/0126/67/023/001/0073/0077

AUTHOR: Burkin, V. S.; Sudakov, V. S.; Prokhodtsev, M. M.; Sinitsyn, N. A.

ORG: VNII of the Bearing Industry (VNII podshipnikovoy promyshlennosti)

TITLE: Radiometallographic analysis of the process of phase hardening and aging of the alloy N27T2

SOURCE: Fizika metallov i metallovedeniye, v. 23, no. 1, 1967, 73-77

TOPIC TAGS: iron nickel alloy, titanium, x ray diffraction analysis, metal hardening, metal aging, phase composition / N27T2 Fe-Ni-Ti alloy

ABSTRACT: Considering that aging processes occur more effectively in Ti-containing Fe-Ni alloys compared with Ti-free Ni-Fe alloys it was of interest to analyze structural changes in an alloy of this kind during every stage of its heat treatment: quenching, phase hardening, phase hardening and aging. Accordingly, specimens of the alloy N27T2 (0.06% C, 0.48% Si, 0.40% Mn, 27.5% Ni, 2.68% Ti, 0.003% P, 0.011% S, with Fe as the remainder)(martensitic point -64°C; end of reverse martensitic transformation 730°C) were subjected to radiometallographic analysis (γ -Fe interference lines of debyegrams). The structural changes in austenite

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UDC: 669.15.24

ACC NR: AP7005753

were determined on the basis of changes in the width of the diffraction lines of (111)_{γ-Fe} and (222)_{γ-Fe}. The effect of aging was estimated according to changes in the lattice parameter a_{γ} of austenite. The various types of heat treatment employed were: quenching from 1050°C in water; phase hardening with cooling in liquid nitrogen (-196°C); phase hardening + aging at 450 and 650°C for 0.5, 3, 6 and 12 hr. Findings: the lattice parameter of phase-hardened austenite decreases compared with that of post-quenching austenite, which indicates that the temperature of limiting solubility of Ti for this alloy is somewhat above 800°C. As the aging process develops, the fine crystalline structure of the phase-hardened γ -solid solution becomes somewhat less "disperse" (isolated reflections can be perceived on the lines of the γ -phase) and the principal factor in the attainment of high hardness is the segregation of an excess phase (Ni₃Ti) and its rational distribution in the austenite matrix. The pattern of interference lines of the α -phase (martensite) obtained from austenite by means of subzero treatment and preliminary aging points to a higher "dispersity" of the fine crystalline structure of the martensite forming as a result of the aging. The high "dispersity" of the fine structure of the martensite arising on aging is due to the martensitic transformation in the phase-hardened austenitic matrix with fine-disperse particles of the excess phase. "The authors are profoundly grateful to K. A. Malyshev for his valuable assistance in the discussion of these findings." Orig. art. has: 3 figures, 1 table.

SUB CODE: 20/ SUBM DATE: 04May66/ ORIG REF: 005

Card 2/2

MAZEL', R.Ye., kand. tekhn. nauk; PROKHODTSEVA, L.V., inzh.

Study of the characteristics of the welded joints and basic
metal of steampipes. Teploenergetika 12 no.3:24-27 Mr '65.
(MIRA 18:6)

1. Vsesoyuznyy teplotekhnicheskii institut.

PROKHODTSEVA 5/5
BURKHANOV, V.F., redaktor; PROKHODTSEVA, S.Ya., redaktor; KOSHELEVA, S.M.,
tekhnicheskii redaktor.

[Across the ocean on drifting ice; stories of members of stations
on ice flees and expeditions in the higher latitudes] Cherez okean
na dreifuishchikh l'dakh; [rasskazy uchastnikov dreifuishchikh
stantsii i vysoke-shirenykh ekspeditsii.] Moskva, Gos.izd-vo geogr.
lit-ry, 1957. 381 p. (MIRA 10:4)

(Arctic regions)

KREPS, Yevgeniy Mikhaylovich; PROKHODTSEVA, S.Ya., red.;
CHERNYKH, M.P., red.; KISELEVA, Z.A., red. kart;
KOSHELEVA, S.M., tekhn. red.

[The "Vitiaz'" in the Indian Ocean] "Vitiaz'" v Indiiskom
okeane. Moskva, Geografiz, 1963. 275 p. (MIRA 16:6)
(Indian Ocean—Oceanographic research)

Prokhotseva, S.Ya.

PASETSKIY, Vasilii Mikhailovich; PROKHODTSEVA, S.Ya., red.; KOSHELEVA, S.M.,
tekhn. red.

[Vitus Bering] Vitus Bering. Moskva, Gos. izd-vo geogr. lit-ry,
1958. 45 p. (MIRA 11:7)
(Bering, Vitus Jonassen, 1681-1741)

KUZNETSOVA, Lyubov' Iosifovna; YEVGEN'YEV, Il'ya Borisovich; PRO-
KHODTSEVA, S.Ya., red.; ZORKINA, G.P., mladshiy red.; VILENSKAYA,
E.N., tekhn.red.

[Mystery of the Island of Saaremaa] Taina ostrova Saaremaa.
Moskva, Gos.izd-vo geogr.lit-ry, 1960. 122 p.

(Osel (Island)--Meteorites)

(MIRA 13:6)

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PROKHODTSEVA, Yelena Andreyevna, dots., kand. tekhn.
nauk

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equipment] Shakhtnye statsionarnyye ustanovki: Raschety
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sickness." Los, 1958. 18 pp (Min of Health RESOR. Nat. Acad. Stomato-
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(TEETH)

ZHIZHINA, N.A.; PROKHORCHUKOV, A.A.

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(DENTIN, effect of radiations,

x-ray, total body irradiation by repeated small doses in rat (Rus))

(ROENTGEN RAYS, effects,

total body, dentin in rats after repeated small dose irradiation (Rus))